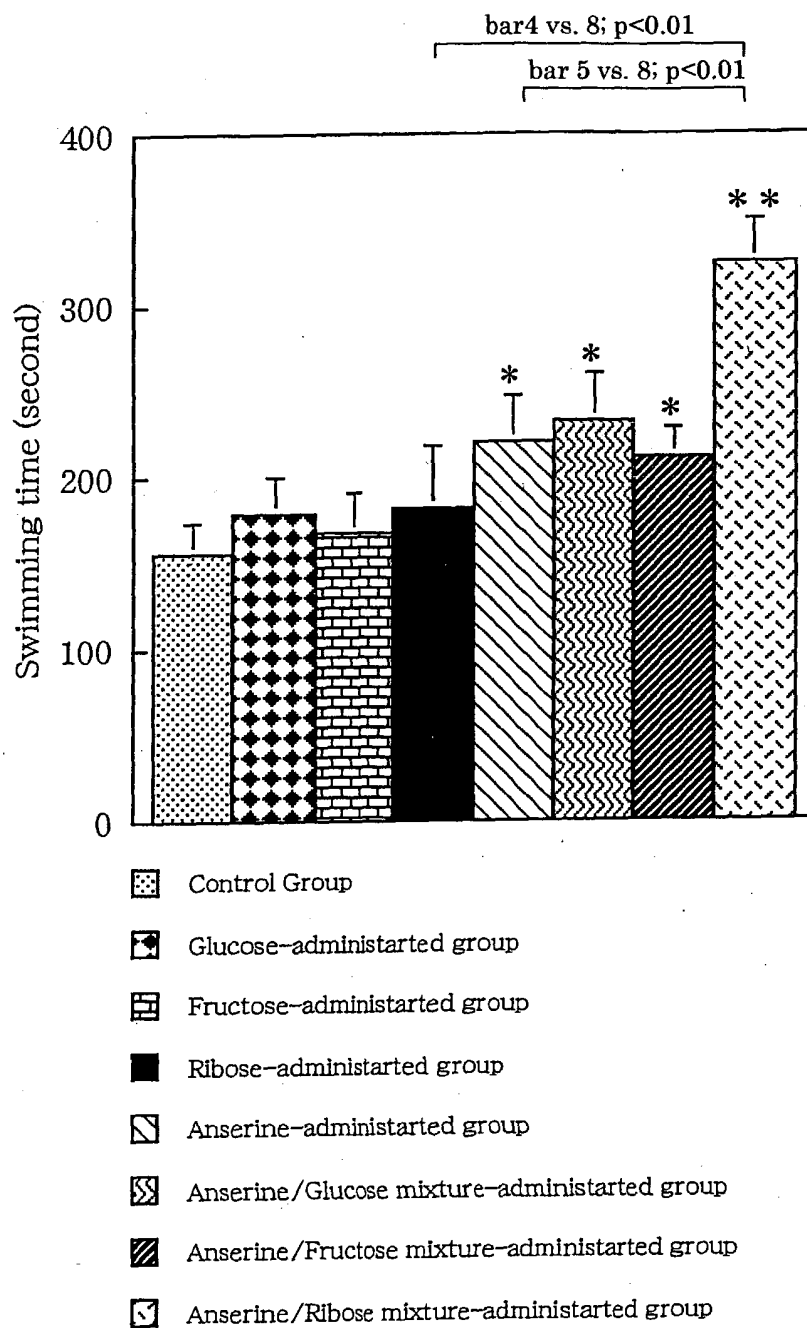




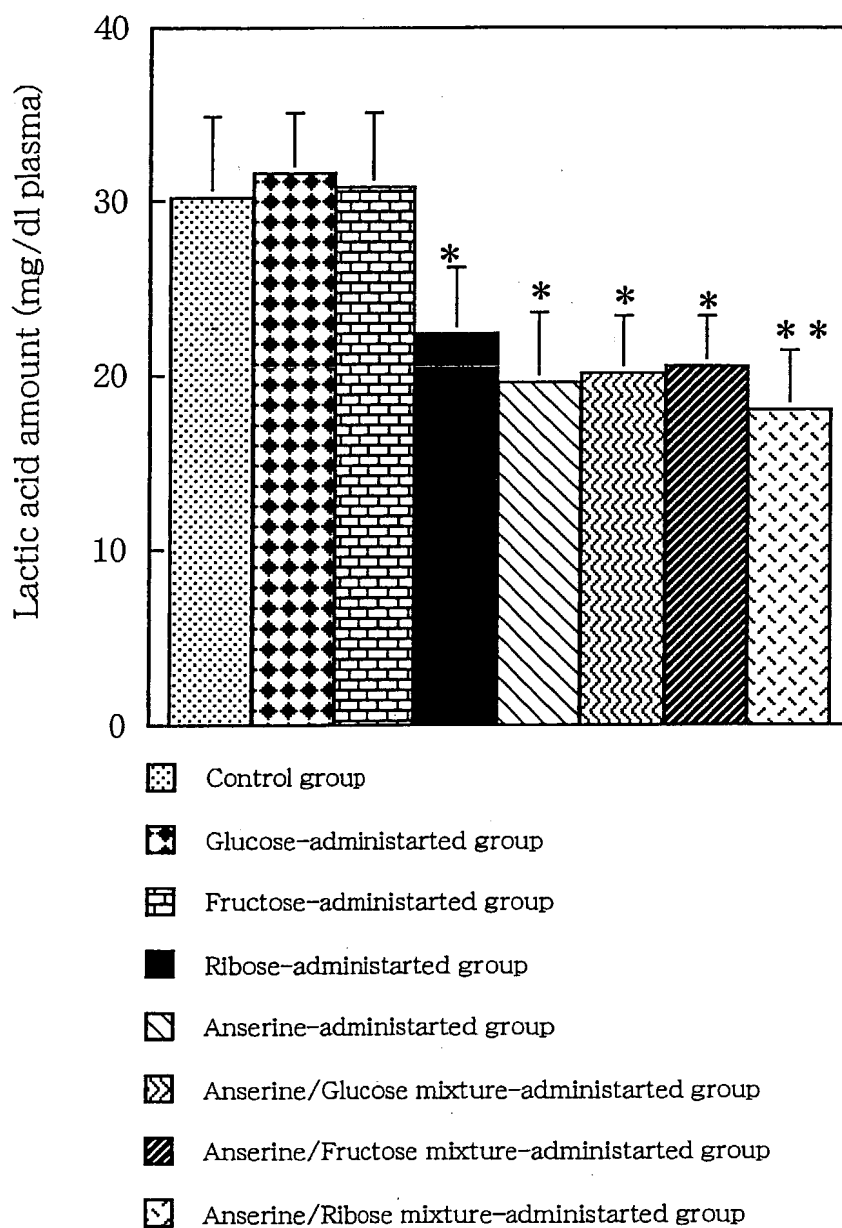
MAR 01 2004

Fig. 1



- \* showed significant difference ( $p < 0.05$ )  
as compared with the control group  
\*\* showed significant difference ( $p < 0.01$ )  
as compared with the control group

Fig. 2



\* showed significant difference ( $p < 0.05$ )  
as compared with the control group

\*\* showed significant difference ( $p < 0.01$ )  
as compared with the control group



MAR 01 2004

Swimming time [sec]									
No.	group 1	group 2	group 3	group 4	group 5	group 6	group 7	group 8	
1	238	242	85	145	201	228	225	279	
2	162	102	151	109	303	262	181	181	
3	142	219	89	92	243	312	163	371	
4	95	148	214	358	164	372	199	426	
5	195	171	121	77	119	207	205	298	
6	125	113	101	214	189	103	174	375	
7	82	295	295	162	226	195	321	219	
8	218	194	192	258	392	136	221	342	
9	102	203	179	104	107	219	132	399	
10	205	98	249	295	265	289	285	356	
Mean	156.4	178.5	167.6	181.4	220.9	232.3	210.6	324.6	
S.E	17.6	20.5	22.5	30.3	27.2	25.4	17.9	25.0	
t-value(to 1)	0	1.079878	0.497473	0.823985	2.373154	2.985114	3.02649	6.721527	
t-value(to 2)		0	0.484148	0.095582	1.560027	2.11593	1.792442	5.933877	
t-value(to 3)			0	0.45484	1.961072	2.544623	2.40109	6.273958	
t-value(to 4)				0	1.453327	2.001875	1.630508	5.722439	
t-value(to 5)					0	0.448357	0.575145	4.144009	
t-value(to 6)						0	1.211713	3.688448	
t-value(to 7)							0	4.555618	
t-value(to 8)								0	

The raw data for Fig.1 : The period of time in which a mouse ( $n=10$ ) was able to swim in a water bath was measured in each group. The t-value in a distribution of data on the difference between each listed pair of groups were calculated by an ordinary Student's test. The indicated groups represent a control (group 1), glucose-administered (group 2), fructose-administered (group 3), ribose-administered (group 4), anserine-administered (group 5), anserine/glucose-administered (group 6), anserine/fructose-administered (group 7) and anserine/ribose-administered (group 8). Estimated from the variance of a system, t-values more than 3.499 and 2.365 indicated in shaded boxes were considered to be equivalent to  $p<0.01$  and  $p<0.05$ , respectively. The t-values on the difference between groups of interest and depicted in Fig.1 are indicated in bold boxes.



MAR 01 2004

Lactic acid conc. [mg/dl Plasma]

No.	group 1	group 2	group 3	group 4	group 5	group 6	group 7	group 8
1	10.6	28.9	37.2	12.1	11.4	15.7	9.1	13.4
2	33.6	39.5	11.6	40.5	30.1	9.1	32.2	30.9
3	42.6	47.9	28.4	26.3	38.4	36.4	34.2	32.1
4	11.8	12.6	46.9	9.8	13.6	26.2	16.2	8.2
5	48.9	22.5	34.6	34.9	26.1	28.2	23.1	21.8
6	43.6	37.3	24.3	16.8	36.2	33.5	27.1	27.8
7	17.9	43.6	21.6	10.3	9.8	13.2	8.2	7.9
8	27.4	18.6	13.5	18.1	10.2	10.1	18.2	8.6
9	47.9	29.8	43.5	31.8	16.3	19.8	13.4	26.2
10	20.6	34.5	48.2	22.4	15.2	11.3	28.1	11.2
Mean	30.5	31.5	31.0	22.3	20.7	20.4	21.0	18.8
S.E	4.7	3.6	4.2	3.4	3.5	3.2	3.0	3.1
t-value(to 1)	0	0.289879	0.116987	2.39957	2.808872	3.183735	3.218451	<b>3.713333</b>
t-value(to 2)		0	0.128925	2.701347	3.105301	<b>3.307132</b>	<b>3.367032</b>	<b>4.041343</b>
t-value(to 3)			0	2.543134	2.949892	3.337584	3.38428	<b>3.369341</b>
t-value(to 4)				0	0.451837	0.612257	0.446725	1.1097
t-value(to 5)					0	0.119312	0.084607	0.610494
t-value(to 6)						0	0.21321	0.489667
t-value(to 7)							0	0.689985
t-value(to 8)								0

The raw data for Fig.2 : The plasma concentration of the lactic acid after swimming exercise from a mouse (n=10) was measured in each group. The t-value in a distribution of data on the difference between each listed pair of groups were calculated by an ordinary Student's test. The indicated groups represent a control (group 1), glucose-administered (group 2), fructose-administered (group 3), ribose-administered (group 4), anserine-administered (group 5), anserine/glucose-administered (group 6), anserine/fructose-administered (group 7) and anserine/ribose-administered (group 8). Estimated from the variance of a system, t-values more than 3.499 and 2.365 indicated in shaded boxes were considered to be equivalent to  $p < 0.01$  and  $p < 0.05$ , respectively. The t-values on the difference between groups of interest and depicted in Fig.2 are indicated in bold boxes.